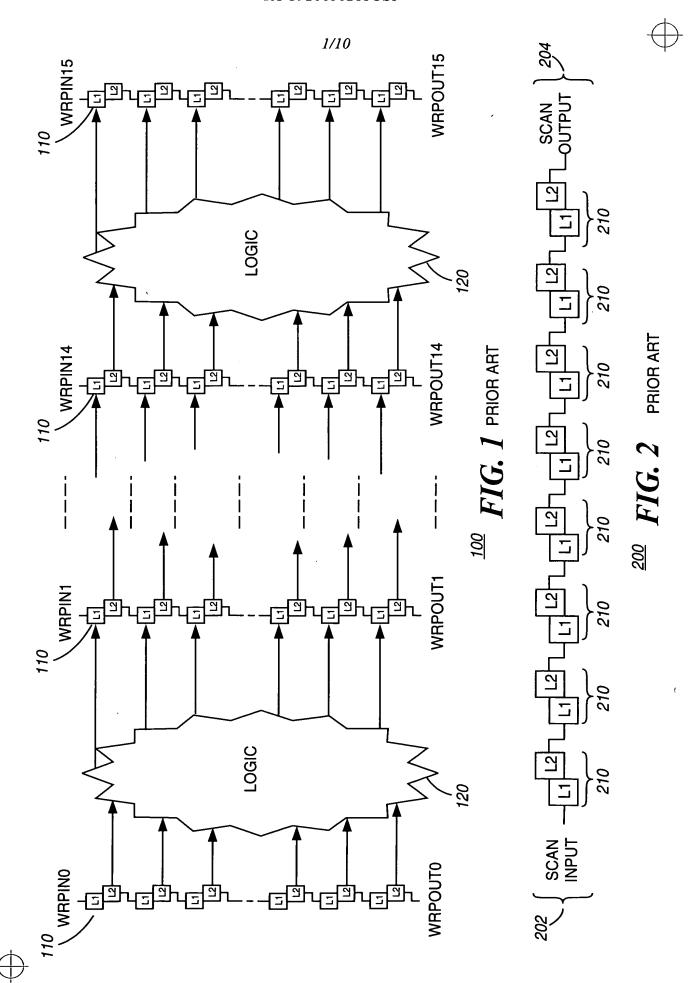
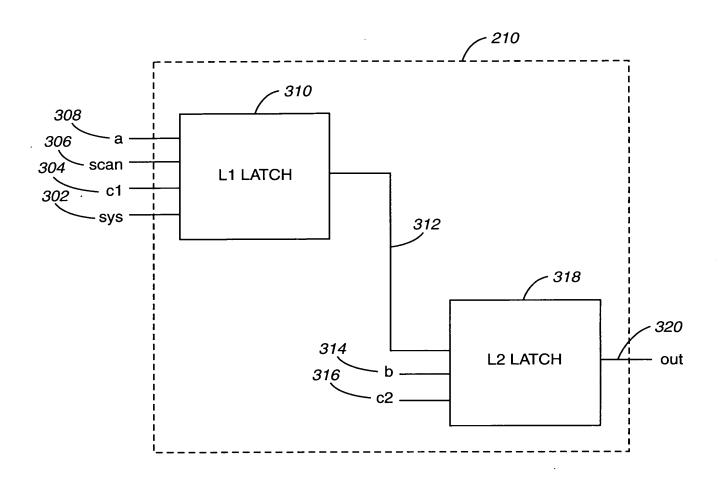
,







PRIOR ART

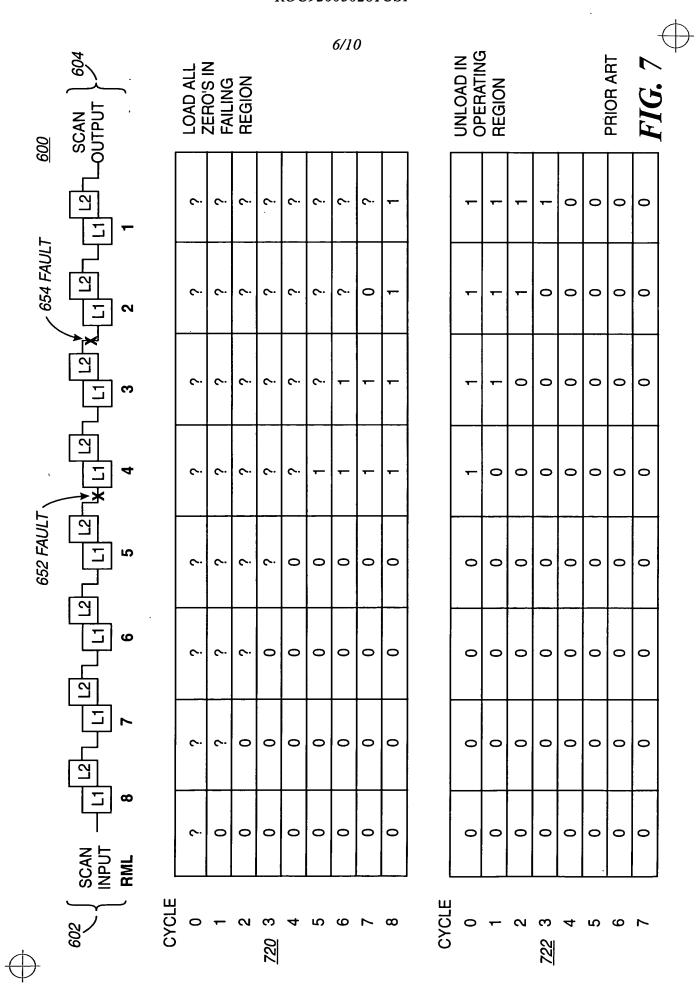
FIG. 3



400	$\begin{array}{c} \text{SCAN} \\ \text{OUTPUT} \end{array} \right\} \begin{array}{c} 204 \\ \end{array}$	_	LOAD ALL	OPERATING	REGION				3/1	0		1	UNLOAD IN	REGION					PHIOH AHI] $FIG.$ 4
416	1		<i>د</i>	ż	خ	<i>-</i> ن	۰۰.	ټ	خ	خ	0		0	0	0	0	-	-	-	-
414	2		٠	į	خ	ر.	ر.	رح.	ر.	0	0		0	0	0	-	-	,	1	_
412	3		ن	i	i	خ	i	خ	0	0	0		0	0	1	-	-	-	-	-
014	4		3	ن	¿	į	ن	0	0	0	0		0	-	1	-	1	-	1	-
408	1 L1 L1 S	_	3	٤	ن	į	0	0	0	0	0		0	0	0	0	0	0	0	0
406	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		5	ن	¿	0	0	0	0	0	0		0	0	0	0	0	0	0	0
404	2 1 1 2	.	5	2	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0
405	8		5	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0
\bigoplus	202 SCAN INPUT RML	CYCLE	0	-	2	<u>420</u> 3	4	2	9		8	ш	0	-	2	<u>422</u> 3	4	2	9	

<u>400</u>	$\begin{array}{c} \text{SCAN} \\ -\text{OUTPUT} \end{array} \right\} $	LOAD ALL	FAII ING	REGION			·	4/1	0			UNLOAD IN	OPERALING REGION		<u>. </u>		H (PHIOH AH	$]$ FIG. 5 $_{\odot}$
41	1	ć	ڼ	ن	ن	į	خ	خ	خ	1	`	-		-	-	0	0	0	0
	2	ذ	ذ	خ	ن	ن	ن	ċ	_	1		-	-	-	0	0	0	0	0
	3	6	<i>د</i>	ć	خ	ć.	۰.	-	-	1		-	-	0	0	0	0	0	0
_	**************************************	<i>د</i> .	c.	خ	خ	خ	-	-	_	1		-	. 0	0	0	0	0	0	0
450 FAULT	5	٠.	خ	خ	خ	0	0	0	0	0		c	0	0	0	0	0	0	0
	6	<i>د.</i>	<i>د</i> .	ن	0	0	0	0	0	0			0	0	0	0	0	0	0
	2 1 2 2	٠.	<i>د</i>	. 0	0	0	0	0	0	0		c	0	0	0	0	0	0	0
	8	خ	0	0	0	0	0	0	0	0		-	0	0	0	0	0	0	0
	202 SCAN INPUT RML	CYCLE 0	<u> </u>	2	520 3	4	ıç,	9		æ	l Ç	בי ט ט ט	· -	8	<u>522</u> 3	4	2	9	

<u>009</u>	$\begin{array}{c} SCAN \\ OUTPUT \end{array} \bigg\} \begin{array}{c} 604 \\ OUTPUT \end{array}$	ſ	LOAD ALL	FAILING	REGION				5/10	0	T	1	Ī	UNLOAD IN	REGION				i (PHIOH ARI] $FIG.$ 6	(
		616	ن	ن	ن	¿	ذ	۰	ċ.	خ	0			0	0	1	1	1	-	-	-	
/ 654 FAULT		614	٤	ن	ن	ن	ن	ن	خ	0	0			0	1	1	1	1	-	-	-	
	** [1] [2] [3]	612	٤	ن	ن	ن	ن	ن	0	0	0			0	0	1	1	•	- ,	-	-	
	** ** ** ** ** ** ** ** ** **	610	5	ن	¿	i	ċ	0	0	0	0			0	1	1	1	-	-	-	-	
652 FAULT	<u> </u>	809	ن	خ	ن	ن	0	0	0	0	0			0	0	0	0	0	0	0	0	
		909	5	ż	ن	0	0	0	0	0	0			0	0	0	0	0	0	0	0	
		604	5	ن	0	0	0	0	0	0	0			0	0	. 0	0	0	0	0	0	
		602	ن	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	
)	602 SCAN INPUT RML	CYCLE	0	-	2	<u>620</u> 3	4	2	9	7	8		CYCLE	0	-	2	<u>622</u> 3	4	വ	9	7	



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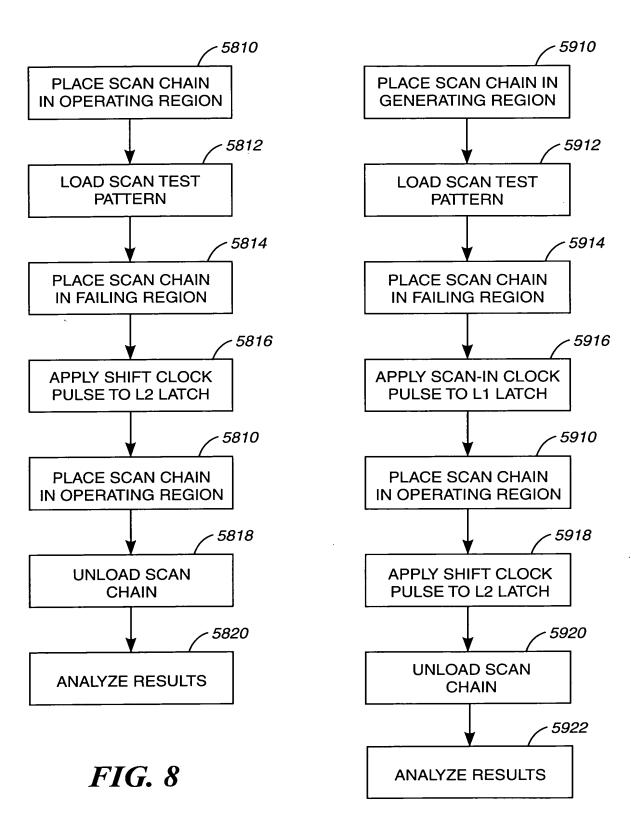


FIG. 9



<u>1000</u>	SCAN 1004				.	; ; ;	T LOAD ALL	FAILING	REGION	8/1	0		- APPLY SCAN	(SCANNING	I CLOCK) IN			UNLOAD IN	OPERALING REGION	5	PRIOR ART	01 010	
] -	1016	ذ	ć	ر د	خ	خ	ن خ	۰	خ	0		0		0	0	1	1	1	0	0	0
1054 FAULT		7 7 7 7 7 7 7 7 7 7	\frac{1}{4}	خ	ċ	خ	خ	خ	خ	ċ	0	0		-		-	-	T	0	0	0	0	0
1056		; 	1012	ċ	خ	خ	ذ	خ	ن	0	0	0		1		-	1	0	0	0	0	0	0
	 	k 	0101	خ	خ	خ	خ	خ	0	0	0	0		1		1	0	0	0	0	0	0	0
1052 FAULT			1008	خ	ن	خ	خ	0	0	0	0	0		0		0	0	0	0	0	0	0	0
		9	1006	ذ	ن	ذ	0	0	0	0	0	0		0		0	0	0	0	0	0	0	0
		_ 	1004	خ	ن	0	0	0	0	0	0	0		0		0	0	0	0	0	0	0	0
	-	INPUT TELT	J	ن خ	0	0	0	0	0	0.	0	0		0		0	0	0	0	0	0	0	0
\oplus	1002 So	<u>z</u> «	CYCLE	0	•	α	1020 3	4	2	9	7	∞	CYCLE	1024 1	GYC! E	0	-	7	1022 ³	4	2	9	

9/10

				9/10				
1116	RML1	77	0	0	0	0	0	0
-	RN	П	0	0	0	0	0	
1114	RML2	L2	0	0	0	0	-	1
=	RN	11	0	0	1	-	-	
1112	RML3	12	0	-	1	0	-	-
=	RN	11	0	0	1	-	-	
ſ	RML4	L2	0	1	1	0	-	1
=	R	П	0	0	1	1	_	
1108	RML5	77	0	-	1	0	0	0
=]	RI	۲٦	0	0	0	0	0	
1106	RML6	77	0	0	0	0	0	0
=	R	L1	0	0	0	0	0	
1104	RML7	77	0	0	0	0	0	0
=]	RIV	11	0	0	0	0	0	
1102	RML8	77	0	0	0	0	0	0
=	RN	11	0	0	0	0	0	
	INPUT		LOAD L1 AND L2 WITH ZERO'S	SWITCH TO FAILING REGION	CLOCK A	SWITCH TO OPERATING REGION	CLOCK B	UNLOAD L2
			1120	1122	<u> </u>	1126	07) 130 130

FIG.~II



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1	0	/]	U

				10/10	,		,
1216	RML1	7	0	0	0	0	. 0
= [RN	7	0	0	0	0	
1214	RML2	L2	0	0	0	0	0
7	A.	2	0	0	0	0	
1212	RML3	L2	0	0	1	-	1
7	RN	17	0	-	1	0	
2	RML4	L2	0	0	1	-	1
1210	AR.	17	0	1	1	0	
1208	RML5	12	0	0	1	1	1
7 7	R	רו	0	1	1	0	
1206	RML6	12	0	0	0	0	0
57	R	П	0	0	0	0	
1204	RML7	77	0	0	0	0	0
12	RN	2	0	0	0	0	
1202	RML8	77	0	0	0	0	0
57	RN	П	0	0	0	0	
	INPUT		LOAD L1 AND L2 WITH ZERO'S	SWITCH TO FAILING REGION	CLOCK B	SWITCH TO OPERATING REGION	UNLOAD L2
ı			1220	1222	, /	1226	



